INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/051345

			PUT/EF2004/051545
A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER B01D50/00 C10G11/18 B01D45/16	;	
According to	International Patent Classification (IPC) or to both national classification	ion and IPC	
B. FIELDS	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classification $B01D F23J C10G$	ı symbols)	
	ion searched other than minimum documentation to the extent that sur		
	ata base consulted during the international search (name of data base ternal, WPI Data, PAJ	e and, where practical, s	earch terms used)
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant	vant passages	Relevant to claim No.
Χ	US 4 556 479 A (BLACK ALAN J ET A 3 December 1985 (1985-12-03) column 2, lines 15-52 column 3, line 13 - column 4, line		1-7,9
X	column 6, lines 24-52; figure US 6 551 565 B2 (GILMAN KEVIN R 22 April 2003 (2003-04-22) column 2, line 46 - column 3, line column 3, lines 51-60	ET AL)	1-7
X	column 4, line 37 - column 5, lin figure 3 US 4 208 384 A (MITCHELL NORRIS W 17 June 1980 (1980-06-17) column 2, line 61 - column 3, lin)	1-8
	figure	/	
X Furt	her documents are listed in the continuation of box C.	X Patent family m	embers are listed in annex.
"A" docume consider the considering of the control	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the International date ent which may throw doubts on priority claim(s) or	or priority date and cited to understanc invention "X" document of particu cannot be consider involve an inventive "Y" document of particu cannot be consider document is combi	ished after the international filing date not in conflict with the application but the principle or theory underlying the lar relevance; the claimed invention red novel or cannot be considered to e step when the document is taken alone lar relevance; the claimed invention red to involve an inventive step when the ned with one or more other such docu-
'P' docum	means	in the art.	nation being obvious to a person skilled of the same patent family
İ	actual completion of the international search	Date of malling of th	ne International search report
	0 November 2004 mailing address of the ISA	Authorized officer	
ivanie ailo	Taking address of the ISA European Patent Office, P.B. 5818 Palentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Maremon	ti, M

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C.(Continu: Category °	cliation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A	EP 0 105 939 A (UOP INC) 25 April 1984 (1984-04-25) page 9, line 14 - page 13, line 13; figure	1-8			
A	US 4 286 973 A (HAMLIN ROBERT N ET AL) 1 September 1981 (1981-09-01) column 1, line 46 - column 2, line 24; figure 1	1-9			
A	US 4 501 820 A (ALLAN DAVID E ET AL) 26 February 1985 (1985-02-26) column 2, line 36 - column 5, line 42; figure	1-8			
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Information on patent family members

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